Teaching AI in K–12 Schools

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Academic Insights

- AI literacy education is expanding rapidly but unevenly.

- Project-based and collaborative approaches dominate effective practice.

- Age-appropriate tools support early AI understanding.

- Learning outcomes span cognitive, affective, and behavioral domains.

- Assessment methods remain underdeveloped.

- Pedagogy matters more than the specific AI tool.

Apply This Now

- Focus on how AI works, not just how to use it.

- Use play, projects, and reflection across grade levels.

- Align AI lessons with broader learning goals.

Add This in Your Lesson

Have students explain an AI system using drawings or metaphors.

Avoid This Mistake

Teaching AI as coding-only content.

Keywords

AI literacy; K–12 education; Pedagogy; Learning tools; Scoping review

Reference

Yim, I. H. Y., & Su, J. (2025). Artificial intelligence learning tools in K-12 education. *Journal of Computers in Education, 12*(1), 93–131. https://doi.org/10.1007/s40692-023-00304-9

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